

REMARKS

Claims 1-21 are pending in the application.

Claims 1-9, 13, 15-17, and 19-21 are rejected.

Claims 10-12, 14, 18 are objected to, but would be allowable if rewritten in independent form with all limitations.

Claim 1 has been amended to include the limitations of claim 10 (allowable) and claim 10 has been cancelled. Claim 15 has been amended to include the limitations of claim 10 (allowable). Claims 22 to 27 are added. New claims 22 to 27 incorporate the claimed language of claims 11 and 18 which Examiner deems allowable. New claims 28-30 are added and are equivalent to originally filed claims 19-21 except amendments have been made in new claim 28 to define "transmission parameters" to include signal strength measurements. Claims 19-21 are deleted. No new matter has been added. The following table will explain the equivalency between the new claims and the former allowed subject matter as expressed in the originally filed claims.

NEW CLAIM**ORIGINALLY FILED CLAIM**

New claim 22

Claims 1, 7 and 11

New claim 23

Claims 1, 7, 11 & 12

New claim 24

Claims 1, 7, 11 & 14

New claim 25

Claims 15 & 18

New claim 26

Claims 15, 18 & 16

New claim 27

Claims 15, 18 & 17

New claim 28 is equivalent to originally filed claim 19 (an independent claim) except that in step "b" one of the parameters is "signal strength measurements" and as the Examiner has stated this data collection....was not found or suggested...." by the prior art. Claims 29 and 30 are equivalent to originally filed claims 20 and 21.

In view of the amendments above each of the independent claims 1 (which incorporates the essential recitations of allowed claim 10) , claim 15 (which incorporates the essential recitations of allowed claims 10), new claim 22 (which incorporated the essential recitations of claims 1 & 7 and allowed claim 11) and new claim 25 (which incorporates the essential recitations of claims 15 and allowed claim 18. New claim 28, the remaining independent claim, is amended, as previously stated, to include allowable language as indicated by the Examiner. The remaining claims are dependent from those allowable independent claims, claim additional features, and by virtue of their dependency from allowed claims are patentable.

The Examiner remarks regarding the rejection under 35 U.S.C. 103(a) will not be addressed since those remarks are considered to be inapplicable to the claims as amended, now pending. Further, as these pending claims address allowable subject matter, as outlined by the Examiner no further remarks are deemed necessary.

SUMMARY

Having fully addressed the Examiners objections by amending and representing the claims, it is believed that in view of the preceding remarks, this entire application stands in a condition for allowance.

If there are any unresolved issues, the Examiner is invited to contact applicants attorney at the number and address below.

CORRESPONDENCE AND FEES

Please address all correspondence to Intellectual Property Docket Administrator, Gibbons, Del Deo, Dolan, Griffinger & Vecchione, One Riverfront Plaza, Newark, New Jersey 07102-5497. All telephone calls should be made directly to Henry J. Walsh at 973-596-4855.

If there are any fees due in respect to this amendment, please charge them to Lucent Technologies Deposit Account No. 12-2325.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "H. J. Walsh", with a circular flourish to the left.

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VERSION WITHOUT MARKINGS

1. (Amended) A wireless communication system, having a controller and a plurality of remote sites, said controller being operable with at least one remote site through a communications link, a method of ^{managing} ~~reporting~~ system data comprising the steps of:

- A/b
- a. measuring system data at said at least one remote site; and
 - b. reporting said measured system data to said controller, wherein said reporting of measured system data is performed synchronously with data received at said at least one remote site via said communication link without instruction from said controller.
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2. The method of reporting system data as recited in Claim 1, wherein steps a and b are iteratively repeated for said at least one remote site during a time interval.

3. The method of reporting system data as recited in Claim 1, wherein steps a and b are iteratively repeated among substantially all of said remote sites within said system.

4. The method of reporting system data as recited in Claim 1 wherein said measured system data includes received signal strength at said at least one remote site link.

5. The method of reporting system data as recited in Claim 4 wherein measurement of said received signal strength is performed by measuring a level of a pilot signal transmitted to said at least one remote site.

6. The method of reporting system data as recited in Claim 1, wherein the step of reporting said measured system data is performed on a periodic basis.

7. The method of reporting system data as recited in Claim 1, wherein said communication link includes a forward link and a reverse link.
8. The method of reporting system data as recited in Claim 6, wherein said periodic reporting basis is selected as a function of a rate of arrival of data via said communication link at said at least one remote site.
9. The method of reporting system data as recited in Claim 8 wherein said reporting basis is less than said rate of arrival of data.
10. (Delete) claim 10.
11. The method of reporting system data as recited in Claim 7 wherein system data of said forward link includes data collected at each of said at least one remote sites.
12. The method of reporting system data as recited in Claim 11 wherein system data of said forward link includes cumulative power history of each of said remote sites.
13. The method of reporting system data as recited in Claim 7 wherein system data measured on said reverse link includes the Signal-to-Interference Ratio of each of said remote sites.
14. The method of reporting system data as recited in Claim 11 wherein system data of said forward link includes received signal strength measured at each of said remote sites.

A2 b 14 15. (Amended) A method of dynamically ^{managing} ~~reporting~~ system data in a wireless communication system, said wireless communication system being characterized by at least one base station and at least one mobile station, said mobile station being in communication with said

base station through a communications link, said communication link having a forward link and a reverse link, the method comprising the steps of:

A2 a. measuring, at said mobile station, base station forward link transmission parameters; and

b. reporting said transmission parameters to said at least one base station, wherein said reporting is performed synchronously with data received at said mobile station via

Ins 827 said communications link without instruction from said at least one base station.

16. The method of reporting system data as recited in Claim 15, wherein steps a and b are iteratively repeated for said at least one mobile station during a time interval.

17. The method of reporting system data as recited in Claim 15, wherein steps a and b are iteratively repeated among substantially all of said mobile stations within said system.

18. The method of reporting system data as recited in Claim 15 wherein said forward link transmission parameters include measured received signal strength.

19. (Delete) claim 19.

20. (Delete) claim 20.

21. (Delete) claim 21.

A3 22. ¹⁸ (New) In a wireless communication system, having a controller and a plurality of remote sites, said controller being operable with at least one remote site through a

b communications link which includes a forward link and reverse link, a method of ^{managing} reporting system data comprising the steps of:

- a. measuring system data at said at least one remote site;
- b. reporting said measured system data to said controller, wherein said

reporting of measured system data is ~~performed without instruction from said controller; and~~

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c. ~~wherein system data of said forward link includes data collected at each of said at least one remote sites;~~

A3 ¹⁹ 23. (New) The method of reporting system data as recited in claim ¹⁸ 22 wherein system data of said forward link includes cumulative power history of each of said remote sites.

²⁰ 24. (New) The method of reporting system data as recited in claim ¹⁸ 22 wherein system data of said forward link includes received signal strength measured at each of said remote sites.

b ²¹ 25. (New) A method of dynamically ^{managing} reporting system data in a wireless communication system, said wireless communication system being characterized by at least one base station and at least one mobile station, said mobile station being in communication with said base station through a communications link, said communication link having a forward link and a reverse link, the method comprising of:

- a. measuring, at said mobile station, base station forward link transmission parameters;
- b. reporting said transmission parameters to said at least one base station,

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B7 wherein said reporting is ~~performed without instruction from said at least one base station;~~

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c. ~~wherein said forward link transmission parameters include measured received signal strength;~~

²² 26. (New) The method of reporting system data as recited in Claim ²¹25, wherein steps a and b are iteratively repeated for said at least one mobile station during a time interval.

²³ 27. (New) The method of reporting system data as recited in Claim ²¹25, wherein steps a and b are iteratively repeated among substantially all of said mobile stations within said system.

²⁴ 28. (New) The method of reporting system data as recited in Claim ²¹25 wherein said ^{A3} wireless communication system further includes a switching center, said switching center being in communication with said at least one base station, said method further comprising the steps of:

- a. collecting said reported transmission parameter data at said at least one base station;
- b. measuring said reported transmission parameters including signal strength measurements at said at least one base station corresponding to said at least one mobile stations; and
- c. forwarding said reported transmission parameter data to said switching center, said reported transmission parameter data being forwarded without instruction from said switching center.

²⁵ 29. (New) The method of reporting system data as recited in Claim ²⁴28 wherein said reported transmission parameter data includes measured received signal strength at said mobile station.

²⁶ 30. (New) The method of reporting system data as recited in Claim ²⁴28, wherein steps a through c are iteratively repeated among substantially all of said base stations within said wireless communication system.